ELSEVIER

Artificial Intelligence 100 (1998) 349–357

Artificial Intelligence

Master Index—Volumes 91–100

(For the sake of simplicity and uniformity, all names beginning with articles or prepositions are listed as if written as single words.)

Aiello, L.C., see Amati, G.	**93** (1997)	169–199
Alberdi, E. and D.H. Sleeman		
ReTAX: a step in the automation of taxonomic revision	**91** (1997)	257–279
Amati, G., L.C. Aiello and F. Pirri		
Definability and commonsense reasoning	**93** (1997)	169–199
Ammon, K.		
An automatic proof of Gödel's incompleteness theorem (Letter to the Editor)	**95** (1997)	203–207
Antonelli, G.A.		
Defeasible inheritance on cyclic networks	**92** (1997)	1– 23
Araki, D., see Kohno, T.	**91** (1997)	85–101
Auer, P., see Kivinen, J.	**97** (1997)	325–343
Bäckström, C., see Jonsson, P.	**100** (1998)	125–176
Baluja, S. and D. Pomerleau		
Dynamic relevance: vision-based focus of attention using artificial neural networks (Technical Note)	**97** (1997)	381–395
Barbeau, M., see Kabanza, F.	**95** (1997)	67–113
Basin, D., see Frank, I.	**100** (1998)	87–123
Baum, E.B. and W.D. Smith		
A Bayesian approach to relevance in game playing	**97** (1997)	195–242
Bench-Capon, T.J.M., see Dunne, P.E.	**92** (1997)	317–329
Ben-Eliyahu-Zohary, R. and L. Palopoli		
Reasoning with minimal models: efficient algorithms and applications	**96** (1997)	421–449
Benferhat, S., D. Dubois and H. Prade		
Nonmonotonic reasoning, conditional objects and possibility theory (Research Note)	**92** (1997)	259–276
Berleant, D. and B.J. Kuipers		
Qualitative and quantitative simulation: bridging the gap	**95** (1997)	215–255

0004-3702/98/$19.00 © 1998 Published by Elsevier Science B.V. All rights reserved.
PII S0004-3702(98)00040-X

Blum, A.L. and P. Langley
Selection of relevant features and examples in machine learning **97** (1997) 245–271
Bojadžiev, D. and M. Gams
Addendum to "Sloman's view of Gödel's sentence" (Research Note) **98** (1998) 363–365
Bondarenko, A., P.M. Dung, R.A. Kowalski and F. Toni
An abstract, argumentation-theoretic approach to default reasoning **93** (1997) 63–101
Borrajo, D., see De Ledesma, L. **91** (1997) 281–307
Boutilier, C.
A unified model of qualitative belief change: a dynamical systems perspective **98** (1998) 281–316
Boutilier, C., Y. Shoham and M.P. Wellman
Economic principles of multi-agent systems (Editorial) **94** (1997) 1– 6
Brafman, R.I., J.Y. Halpern and Y. Shoham
On the knowledge requirements of tasks **98** (1998) 317–349
Brafman, R.I. and M. Tennenholtz
Modeling agents as qualitative decision makers **94** (1997) 217–268
Brener, N.E., see Xia, Y. **95** (1997) 169–186
Buchheit, M., F.M. Donini, W. Nutt and A. Schaerf
A refined architecture for terminological systems: Terminology = Schema + Views **99** (1998) 209–260
Carmel, D. and S. Markovitch
Pruning algorithms for multi-model adversary search **99** (1998) 325–355
Castillo, E., C. Solares and P. Gómez
Tail uncertainty analysis in complex systems **96** (1997) 395–419
Chow, T.W.S. and J.-Y. Li
Higher-order Petri net models based on artificial neural networks (Research Note) **92** (1997) 289–300
Clementini, E., P. Di Felice and D. Hernández
Qualitative representation of positional information **95** (1997) 317–356
Corruble, V. and J.-G. Ganascia
Induction and the discovery of the causes of scurvy: a computational reconstruction **91** (1997) 205–223
Dagum, P. and M. Luby
An optimal approximation algorithm for Bayesian inference **93** (1997) 1– 27
Darwiche, A.
A logical notion of conditional independence: properties and applications **97** (1997) 45– 82
Dechter, R., see Schwalb, E. **93** (1997) 29– 61
De Jong, H. and A. Rip
The computer revolution in science: steps towards the realization of computer-supported discovery environments **91** (1997) 225–256

De Ledesma, L., A. Pérez, D. Borrajo and L.M. Laita
A computational approach to George Boole's discovery of Mathematical Logic **91** (1997) 281–307
De Raedt, L.
Logical settings for concept-learning (Research Note) **95** (1997) 187–201
Deruyver, A. and Y. Hodé
Constraint satisfaction problem with bilevel constraint: application to interpretation of over-segmented images (Research Note) **93** (1997) 321–335
Di Felice, P., see Clementini, E. **95** (1997) 317–356
Dombi, J., see Jelasity, M. **99** (1998) 1– 19
Donini, F.M., M. Lenzerini, D. Nardi, W. Nutt and A. Schaerf
An epistemic operator for description logics **100** (1998) 225–274
Donini, F.M., see Buchheit, M. **99** (1998) 209–260
Drakengren, T. and P. Jonsson
Twenty-one large tractable subclasses of Allen's algebra **93** (1997) 297–319
Dubois, D., see Benferhat, S. **92** (1997) 259–276
Dufourd, J.-F., P. Mathis and P. Schreck
Geometric construction by assembling solved subfigures **99** (1998) 73–119
Dung, P.M., see Bondarenko, A. **93** (1997) 63–101
Dunne, P.E. and T.J.M. Bench-Capon
The maximum length of prime implicates for instances of 3-SAT (Research Note) **92** (1997) 317–329

Epstein, S.L.
Pragmatic navigation: reactivity, heuristics, and search **100** (1998) 275–322

Fikes, R., see Levy, A.Y. **96** (1997) 351–394
Fikes, R.E., see Levy, A.Y. **97** (1997) 83–136
Frank, I. and D. Basin
Search in games with incomplete information: a case study using Bridge card play **100** (1998) 87–123
Freund, M.
Default extensions: dealing with composite information (Research Note) **92** (1997) 277–288
Freund, M.
Preferential reasoning in the perspective of Poole default logic **98** (1998) 209–235
Friedman, N. and J.Y. Halpern
Modeling belief in dynamic systems, Part I: Foundations **95** (1997) 257–316

Galles, D. and J. Pearl
Axioms of causal relevance **97** (1997) 9– 43
Gams, M., see Bojadžiev, D. **98** (1998) 363–365
Ganascia, J.-G., see Corruble, V. **91** (1997) 205–223

Gómez, P., see Castillo, E. **96** (1997) 395–419
Giunchiglia, E., G.N. Kartha and V. Lifschitz
Representing action: indeterminacy and ramifications **95** (1997) 409–438
Greiner, R., A.J. Grove and A. Kogan
Knowing what doesn't matter: exploiting the omission of irrelevant data **97** (1997) 345–380
Greiner, R., see Subramanian, D. **97** (1997) 1– 5
Grove, A.J., see Greiner, R. **97** (1997) 345–380
Gunter, C.A., Teow-Hin Ngair and D. Subramanian
The common order-theoretic structure of version spaces and ATMSs **95** (1997) 357–407

Halpern, J.Y., see Brafman, R.I. **98** (1998) 317–349
Halpern, J.Y., see Friedman, N. **95** (1997) 257–316
Hamada, S., see Kohno, T. **91** (1997) 85–101
Hernández, D., see Clementini, E. **95** (1997) 317–356
Hodé, Y., see Deruyver, A. **93** (1997) 321–335
Hori, K., see Sumi, Y. **91** (1997) 71– 84
Horton, J.D. and B. Spencer
Clause trees: a tool for understanding and implementing resolution in automated reasoning **92** (1997) 25– 89
Hossain, A. and K.S. Ray
An extension of QSIM with qualitative curvature **96** (1997) 303–350
Howarth, R.J.
Interpreting a dynamic and uncertain world: task-based control **100** (1998) 5– 85

Ishizuka, M., see Ohsawa, Y. **91** (1997) 131–154
Iwasaki, Y., see Levy, A.Y. **96** (1997) 351–394
Iyengar, S.S., see Xia, Y. **95** (1997) 169–186

Jelasity, M. and J. Dombi
GAS, a concept on modeling species in genetic algorithms **99** (1998) 1– 19
John, G.H., see Kohavi, R. **97** (1997) 273–324
Jonsson, P. and C. Bäckström
State-variable planning under structural restrictions: algorithms and complexity **100** (1998) 125–176
Jonsson, P., see Drakengren, T. **93** (1997) 297–319

Kabanza, F., M. Barbeau and R. St-Denis
Planning control rules for reactive agents **95** (1997) 67–113
Kaindl, H., see Scheucher, A. **99** (1998) 187–208
Kaminski, M.
A note on the stable model semantics for logic programming (Research Note) **96** (1997) 467–479

Kartha, G.N., see Giunchiglia, E. **95** (1997) 409–438
Kern-Isberner, G.
Characterizing the principle of minimum cross-entropy within a conditional-logic framework **98** (1998) 169–208
Khardon, R. and D. Roth
Defaults and relevance in model based reasoning **97** (1997) 169–193
Kitamura, M., see Washio, T. **91** (1997) 103–130
Kivinen, J., M.K. Warmuth and P. Auer
The Perceptron algorithm versus Winnow: linear versus logarithmic mistake bounds when few input variables are relevant (Technical Note) **97** (1997) 325–343
Kobayashi, S., see Miyazaki, K. **91** (1997) 155–171
Kogan, A., see Greiner, R. **97** (1997) 345–380
Kohavi, R. and G.H. John
Wrappers for feature subset selection **97** (1997) 273–324
Kohno, T., S. Hamada, D. Araki, S. Kojima and T. Tanaka
Error repair and knowledge acquisition via case-based reasoning **91** (1997) 85–101
Kojima, S., see Kohno, T. **91** (1997) 85–101
Koller, D. and A. Pfeffer
Representations and solutions for game-theoretic problems **94** (1997) 167–215
Kowalski, R.A., see Bondarenko, A. **93** (1997) 63–101
Kraus, S.
Negotiation and cooperation in multi-agent environments **94** (1997) 79– 97
Kshemkalyani, A.D.
Reasoning about causality between distributed nonatomic events (Research Note) **92** (1997) 301–315
Kuipers, B.J., see Berleant, D. **95** (1997) 215–255
Kuipers, B.J., see Pierce, D. **92** (1997) 169–227
Kuipers, B.J., see Shults, B. **92** (1997) 91–129

Laita, L.M., see De Ledesma, L. **91** (1997) 281–307
Lakemeyer, G.
Relevance from an epistemic perspective **97** (1997) 137–167
Langley, P., see Blum, A.L. **97** (1997) 245–271
Lansky, A.L.
Localized planning with action-based constraints **98** (1998) 49–136
Lenzerini, M., see Donini, F.M. **100** (1998) 225–274
Lesser, V.R., see Sandholm, T.W. **94** (1997) 99–137
Levenick, J.
Showing the way: a review of the Second Edition of Holland's *Adaptation in Natural and Artificial Systems* **100** (1998) 331–338
Levy, A.Y., R.E. Fikes and Y. Sagiv
Speeding up inferences using relevance reasoning: a formalism and algorithms **97** (1997) 83–136

Levy, A.Y., Y. Iwasaki and R. Fikes
Automated model selection for simulation based on relevance reasoning **96** (1997) 351–394
Li, J.-Y., see Chow, T.W.S. **92** (1997) 289–300
Liberatore, P. and M. Schaerf
Reducing belief revision to circumscription (and vice versa) **93** (1997) 261–296
Lifschitz, V.
On the logic of causal explanation (Research Note) **96** (1997) 451–465
Lifschitz, V., see Giunchiglia, E. **95** (1997) 409–438
Lin, F. and R. Reiter
How to progress a database **92** (1997) 131–167
Lingard, A. and E.B. Richards
Planning parallel actions **99** (1998) 261–324
Liu, J.
A method of spatial reasoning based on qualitative trigonometry **98** (1998) 137–168
Luby, M., see Dagum, P. **93** (1997) 1– 27

Markovitch, S., see Carmel, D. **99** (1998) 325–355
Mathis, P., see Dufourd, J.-F. **99** (1998) 73–119
Matsubara, H., see Nakashima, H. **91** (1997) 33– 50
McCluskey, T.L. and J.M. Porteous
Engineering and compiling planning domain models to promote validity and efficiency **95** (1997) 1– 65
Mitchell, M.
Book Review of *Handbook of Genetic Algorithms* (L.D. Davis) **100** (1998) 325–330
Miyazaki, K., M. Yamamura and S. Kobayashi
k-Certainty Exploration Method: an action selector to identify the environment in reinforcement learning **91** (1997) 155–171

Nakashima, H., H. Matsubara and I. Osawa
Causality as a key to the frame problem **91** (1997) 33– 50
Nardi, D., see Donini, F.M. **100** (1998) 225–274
Neumann, G.
Interleaving natural language parsing and generation through uniform processing **99** (1998) 121–163
Ngair, Teow-Hin, see Gunter, C.A. **95** (1997) 357–407
Nie, X.
Non-Horn clause logic programming (Research Note) **92** (1997) 243–258
Nishida, T.
Grammatical description of behaviors of ordinary differential equations in two-dimensional phase space **91** (1997) 3– 32
Numao, M., see Shimizu, S. **91** (1997) 51– 69

Nutt, W., see Buchheit, M. **99** (1998) 209–260
Nutt, W., see Donini, F.M. **100** (1998) 225–274

Ohsawa, Y. and M. Ishizuka
Networked bubble propagation: a polynomial-time hypothetical reasoning method for computing near-optimal solutions **91** (1997) 131–154
Ohsuga, S., see Sumi, Y. **91** (1997) 71– 84
Ok, DoKyeong, see Tadepalli, P. **100** (1998) 177–224
Onn, S. and M. Tennenholtz
Determination of social laws for multi-agent mobilization (Research Note) **95** (1997) 155–167
Osawa, I., see Nakashima, H. **91** (1997) 33– 50

Palopoli, L., see Ben-Eliyahu-Zohary, R. **96** (1997) 421–449
Pearl, J., see Galles, D. **97** (1997) 9– 43
Pearl, J., see Subramanian, D. **97** (1997) 1– 5
Pérez, A., see De Ledesma, L. **91** (1997) 281–307
Pfeffer, A., see Koller, D. **94** (1997) 167–215
Pierce, D. and B.J. Kuipers
Map learning with uninterpreted sensors and effectors **92** (1997) 169–227
Pirri, F., see Amati, G. **93** (1997) 169–199
Pomerleau, D., see Baluja, S. **97** (1997) 381–395
Poole, D.
The independent choice logic for modelling multiple agents under uncertainty **94** (1997) 7– 56
Porter, B., see Rickel, J. **93** (1997) 201–260
Porteous, J.M., see McCluskey, T.L. **95** (1997) 1– 65
Prade, H., see Benferhat, S. **92** (1997) 259–276
Przymusinski, T.C.
Autoepistemic logic of knowledge and beliefs **95** (1997) 115–154

Ray, K.S., see Hossain, A. **96** (1997) 303–350
Reiter, R., see Lin, F. **92** (1997) 131–167
Richards, E.B., see Lingard, A. **99** (1998) 261–324
Rickel, J. and B. Porter
Automated modeling of complex systems to answer prediction questions **93** (1997) 201–260
Rip, A., see De Jong, H. **91** (1997) 225–256
Roos, N.
Reasoning by cases in Default Logic (Research Note) **99** (1998) 165–183
Roth, D., see Khardon, R. **97** (1997) 169–193
Russell, S.J.
Rationality and intelligence **94** (1997) 57– 77

Sagiv, Y., see Levy, A.Y. **97** (1997) 83–136
Sakuma, M., see Washio, T. **91** (1997) 103–130
Sandholm, T.W. and V.R. Lesser
Coalitions among computationally bounded agents **94** (1997) 99–137
Schaerf, A., see Buchheit, M. **99** (1998) 209–260
Schaerf, A., see Donini, F.M. **100** (1998) 225–274
Schaerf, M., see Liberatore, P. **93** (1997) 261–296
Scheucher, A. and H. Kaindl
Benefits of using multivalued functions for minimaxing **99** (1998) 187–208
Schreck, P., see Dufourd, J.-F. **99** (1998) 73–119
Schwalb, E. and R. Dechter
Processing disjunctions in temporal constraint networks **93** (1997) 29– 61
Schwartz, D.G.
Dynamic reasoning with qualified syllogisms **93** (1997) 103–167
Shimizu, S. and M. Numao
Constraint-based design for 3D shapes **91** (1997) 51– 69
Shoham, Y. and M. Tennenholtz
On the emergence of social conventions: modeling, analysis, and simulations **94** (1997) 139–166
Shoham, Y., see Boutilier, C. **94** (1997) 1– 6
Shoham, Y., see Brafman, R.I. **98** (1998) 317–349
Shults, B. and B.J. Kuipers
Proving properties of continuous systems: qualitative simulation and temporal logic **92** (1997) 91–129
Simon, H.A., R.E. Valdés-Pérez and D.H. Sleeman
Scientific discovery and simplicity of method (Editorial) **91** (1997) 177–181
Sleeman, D.H., see Alberdi, E. **91** (1997) 257–279
Sleeman, D.H., see Simon, H.A. **91** (1997) 177–181
Smalheiser, N.R., see Swanson, D.R. **91** (1997) 183–203
Smets, P.
The normative representation of quantified beliefs by belief functions (Research Note) **92** (1997) 229–242
Smith, W.D., see Baum, E.B. **97** (1997) 195–242
Solares, C., see Castillo, E. **96** (1997) 395–419
Spencer, B., see Horton, J.D. **92** (1997) 25– 89
St-Denis, R., see Kabanza, F. **95** (1997) 67–113
Subramanian, D., R. Greiner and J. Pearl
The Relevance of Relevance (Editorial) **97** (1997) 1– 5
Subramanian, D., see Gunter, C.A. **95** (1997) 357–407
Sumi, Y., K. Hori and S. Ohsuga
Computer-aided thinking by mapping text-objects into metric spaces **91** (1997) 71– 84
Swanson, D.R. and N.R. Smalheiser
An interactive system for finding complementary literatures: a stimulus to scientific discovery **91** (1997) 183–203

Tadepalli, P. and DoKyeong Ok
Model-based average reward reinforcement learning **100** (1998) 177–224
Tanaka, T., see Kohno, T. **91** (1997) 85–101
Tennenholtz, M., see Brafman, R.I. **94** (1997) 217–268
Tennenholtz, M., see Onn, S. **95** (1997) 155–167
Tennenholtz, M,, see Shoham, Y. **94** (1997) 139–166
Thrun, S.
Learning metric-topological maps for indoor mobile robot navigation **99** (1998) 21– 71
Tinkham, N.L.
Schema induction for logic program synthesis **98** (1998) 1– 47
Toni, F., see Bondarenko, A. **93** (1997) 63–101
Tsang, E.
No more "Partial" and "Full Looking Ahead" (Research Note) **98** (1998) 351–361

Valdés-Pérez, R.E., see Simon, H.A. **91** (1997) 177–181

Warmuth, M.K., see Kivinen, J. **97** (1997) 325–343
Washio, T., M. Sakuma and M. Kitamura
A new approach to quantitative and credible diagnosis for multiple faults of components and sensors **91** (1997) 103–130
Wellman, M.P., see Boutilier, C. **94** (1997) 1– 6
Wilson, R.H.
Geometric reasoning about assembly tools **98** (1998) 237–279

Xia, Y., S.S. Iyengar and N.E. Brener
An event driven integration reasoning scheme for handling dynamic threats in an unstructured environment (Research Note) **95** (1997) 169–186

Yamamura, M., see Miyazaki, K. **91** (1997) 155–171